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Oshinowo et al.

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(54) **MODIFYING FLOW OF A REACTOR INLET DISTRIBUTOR**

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(52) **U.S. Cl.**

CPC **B01J 19/0053** (2013.01); **B01J 8/0214** (2013.01); **B01J 8/0278** (2013.01);

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(57)

ABSTRACT

An apparatus comprising a reactor inlet distributor and a perforated deflector. In this apparatus the relationship between the diameter of the perforated deflector (D_D), the height of the opening of the inlet distributor pipe of the reactor inlet distributor (H_{SLOT}) and the outer diameter of the inlet distributor pipe (OD_{DP}) is:

$$D_D = OD_{DP} + 2(xH_{SLOT})$$

wherein x is at least $\frac{1}{2}$.

5 Claims, 6 Drawing Sheets

